

in the memory, or intermediate image data into a gray scale or a color scale, wherein:

a portable teaching pendant is connected to said robot controller through a cable; and  
said teaching pendant comprises a unit for generating or editing a robot program, a unit for operating the robot, and a display unit, and can display on the display unit the converted image, and comprises a unit used for manipulation for image processing; and

said display unit displays, indication for generating or editing of the robot a program and indication for manipulation of image processing, together with an image simultaneously, or allows a user to select either a switching mode or a superposition mode.

8. (Currently Amended) A method, comprising:  
fetching an image from a camera;  
storing image data from the camera or intermediate image data obtained in a stage of image processing; and  
converting image data from the camera, the image data from the camera stored in the memory, or the intermediate image data into a gray scale or a color scale; and  
displaying the converted image data on a teaching pendant,  
wherein said displaying displays the image data and indication for manipulation for image processing simultaneously, or allows a user to enter a switching mode or a superposition mode.

11. (Currently Amended) The apparatus according to claim 2, further comprising:  
a unit for displaying and superposing geometric graphics on the image displayed on the display unit in accordance with the operation procedure of image processing and specifying an image processing with respect to the image.

14. (New) An image processing apparatus for a robot which is built in a robot controller, comprising:  
a unit for fetching a visual image of the robot from a camera;  
memory which stores the visual image from the camera or obtained in a stage of image processing; and  
a unit for converting the visual image into a gray scale visual image;  
a portable teaching pendant connected to said robot controller through a cable; and said teaching pendant comprising:  
a unit for generating or editing a robot program,